



223

Please type a plus sign inside this box →

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

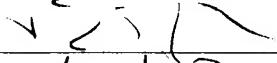
(to be used for all correspondence after initial filing)

		Application Number	10/076,124
		Filing Date	February 14, 2002
		First Named Inventor	Randall G. Banton
		Group Art Unit	2831
		Examiner Name	H. Ngo
Total Number of Pages in This Submission	1	Attorney Docket Number	102323-0088

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement, IDS (Citation) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) <p>21 References Check in the amount of \$180.00</p>
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	NUTTER MCCLENNEN & FISH LLP David J. Powsner
Signature	
Date	6/18/03

### Transmittal

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 6/18/03

Signature:  (David J. Powsner)



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL

## for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 180.00)

Complete if Known	
Application Number	10/076,124-Conf. #8888
Filing Date	February 14, 2002
First Named Inventor	Randall G. Banton
Examiner Name	H. Ngo
Group Art Unit	2831
Attorney Docket No.	102323-0088

**METHOD OF PAYMENT (check all that apply)**

Check  Credit Card  Money Order  Other  None  
 Deposit Account

Deposit Account Number 141449

Deposit Account Name Nutter McClellan & Fish LLP

The Commissioner is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
<b>SUBTOTAL (1) (\$)</b>				0.00	

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	** =	<input type="text"/> x <input type="text"/> = <input type="text"/>	
Multiple Dependent	** =	<input type="text"/> x <input type="text"/> = <input type="text"/>	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2) (\$)</b>				0.00

\*\* or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES					
Large Entity	Small Entity				
Fee Code	Fee (\$)				
Fee Code	Fee (\$)				
Fee Description					
Fee Paid					
1051	130	2051	65	Surcharge - late filing fee or oath	<input type="checkbox"/>
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	<input type="checkbox"/>
1053	130	1053	130	Non-English specification	<input type="checkbox"/>
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	<input type="checkbox"/>
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	<input type="checkbox"/>
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	<input type="checkbox"/>
1251	110	2251	55	Extension for reply within first month	<input type="checkbox"/>
1252	410	2252	205	Extension for reply within second month	<input type="checkbox"/>
1253	930	2253	465	Extension for reply within third month	<input type="checkbox"/>
1254	1,450	2254	725	Extension for reply within fourth month	<input type="checkbox"/>
1255	1,970	2255	985	Extension for reply within fifth month	<input type="checkbox"/>
1401	320	2401	160	Notice of Appeal	<input type="checkbox"/>
1402	320	2402	160	Filing a brief in support of an appeal	<input type="checkbox"/>
1403	280	2403	140	Request for oral hearing	<input type="checkbox"/>
1451	1,510	1451	1,510	Petition to institute a public use proceeding	<input type="checkbox"/>
1452	110	2452	55	Petition to revive - unavoidable	<input type="checkbox"/>
1453	1,300	2453	650	Petition to revive - unintentional	<input type="checkbox"/>
1501	1,300	2501	650	Utility issue fee (or reissue)	<input type="checkbox"/>
1502	470	2502	235	Design issue fee	<input type="checkbox"/>
1503	630	2503	315	Plant issue fee	<input type="checkbox"/>
1460	130	1460	130	Petitions to the Commissioner	<input type="checkbox"/>
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	<input type="checkbox"/>
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	<input type="checkbox"/>
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	<input type="checkbox"/>
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	<input type="checkbox"/>
1801	750	2801	375	Request for Continued Examination (RCE)	<input type="checkbox"/>
1802	900	1802	900	Request for expedited examination of a design application	<input type="checkbox"/>
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					
<b>SUBTOTAL (3) (\$)</b>				180.00	

SUBMITTED BY		Complete if applicable	
Name (Print/Type)	David J. Powsner	Registration No. (Attorney/Agent)	31,868
Signature		Telephone	(617) 439-2000
		Date	6/18/03

**Fee Transmittal**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 6/18/03

Signature:

(David J. Powsner)



Application No. (if known): 10/076,124

Attorney Docket No.: 102323-0088

## Certificate of Mailing Under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on 6/14/07  
Date

  
Signature

David J. Powsner  
Typed or printed name of person signing Certificate

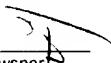
Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

IDS (Citation) by Applicant

1228243.1

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 6/15/03

Signature:   
(David J. Powsner)

7-10-03  
7/10/03  
7/10/03

Docket No.: 102323-0088  
(PATENT)



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Randall G. Banton, et al

Application No.: 10/076,124

Group Art Unit: 2831

Filed: February 14, 2002

Examiner: H. Ngo

For: CIRCUIT BOARD ASSEMBLY WITH A  
COMBINATION THERMAL, SHOCK,  
VIBRATION, AND/OR  
ELECTROMAGNETIC COMPATIBILITY  
COVER

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Rejection or Notice of Allowance.

A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any

patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed.

Dated: 1-18-03

Respectfully submitted,

By 

David J. Powsner

Registration No.: 31,868

NUTTER MCCLENNEN & FISH LLP

World Trade Center West

155 Seaport Boulevard

Boston, Massachusetts 02210-2604

(617) 439-2000

(617) 310-9000 (Fax)

Attorneys for Applicant

1228248.1



Substitute for form 1449A/PTO				<b>Complete if Known</b>	
				Application Number	10/076,124
				Filing Date	February 14, 2002
				First Named Inventor	Randall G. Banton
				Art Unit	2831
				Examiner Name	H. Ngo
Sheet	1	of	1	Attorney Docket Number 102323-0088	

<b>U. S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A	4,672,509-			Speraw	
B	4,770,242-			Daikoku et al.	
C	5,005,638-			Goth et al.	
D	5,027,254-			Corfits et al.	
E	5,210,680-			Scheibler	
F	5,493,473-			Yanagi	
G	5,617,296-			Melville et al.	
H	5,680,295-			Le et al.	
I	5,912,799-			Grouell et al.	
J	5,923,532-			Nedved	
K	5,940,266-			Hamilton et al.	
L	5,940,288-			Kociecki	
M	6,100,468-			Niggli et al.	
N	6,198,629-B1			Cannon et al.	
O	6,239,984-B1			Koradia et al.	
P	6,261,104-B1			Leman	
Q	6,297,958-B1			Lutz, Jr.	
R	6,463,997-B1			Nicolai et al.	
S	6,504,722-B2			Vittet et al.	
T	6,544,311-B1			Walton et al.	
U	6452796-B1			Roy	

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
					T <sup>6</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<b>OTHER – NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
--------------------	-----------------